AUDIENT

evo SP8

8 Channel Smart Preamp with AD/DA

User Manual V2.2

WELCOME

Welcome to your new EVO SP8 Smart Preamp. EVO SP8 has been designed to remove the technical barriers creatives face when exploring the often intimidating world of audio and make recording simple for everyone.

EVO SP8 includes 8 High-Performance EVO Preamps with innovative Smartgain technology, 2 JFET Instrument Inputs and Pristine Converters.

We hope you enjoy using EVO SP8 and it helps you in your creative endeavors, whatever they may be!

Work smarter not harder.

EVO makes recording easy

WELCOME

CONTENTS

DECLARATION OF CONFORMITIES

This apparatus has been tested and found to comply with the limits of a class-A digital device, pursuant to Part 15B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

01 Re-orient or relocate the receiving antenna

02 Increase the separation between the equipment and receiver

03 Connect the equipment into an outlet on a different circuit from that to which the receiver is connected

04 Consult the dealer or an experienced radio/TV technician for help

We, EVO Audient, Aspect House, Herriard, Hampshire, RG25 2PN, UK, 01256 381944, declare under our sole responsibility that the product EVO SP8 complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may cause undesired operation

We, EVO Audient, declare that the product, the EVO SP8, to which this declaration relates, is in material conformity with the appropriate CE standards and directives for an audio product designed for consumer use.

We, EVO Audient, declare that the product, the EVO SP8, to which this declaration relates, is in material conformity with the appropriate UKCA standards and directives for an audio product designed for consumer use.

Audient Ltd has conformed where applicable, to the European Union's Directive EN 63000:2018 on Restrictions of Hazardous Substances (RoHS) as well as the following sections of California law which refer to RoHS, namely sections 25214.10, 25214.10.2, and 58012, Health and Safety Code; Section 42475.2, Public Resources

Under an environment with electrostatic discharge, the device may cease to output sound (EUT could not operate properly). This requires the user reset the device by unplugging & re-connecting to host computer.

As a device that provides power to other equipment power management features are inappropriate for this product.

We, EVO Audient, declare that the product, the EVO SP8, to which this declaration relates, is in material conformity with the appropriate PSE standards and directives for an audio product designed for consumer use. METI Ordinance Appendix 12 J55032(H29).

IEC 62368 Test Report with Japan deviation.

DECLARATION

INSTALLATION / SETUP

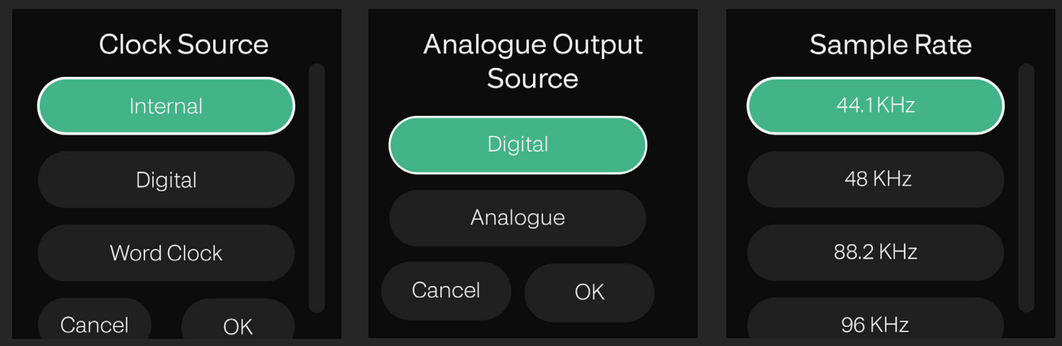
Plug the EVO SP8 into a mains outlet using the mains power lead included in the box. For more information on how to connect your device to your host interface, please read the **‘Clocking Configuration’** section of this Manual.

Initial Setup

The first time powering on EVO SP8, you will be asked to follow the setup procedure, allowing you to customise EVO SP8’s settings to your liking.

Firstly, you can adjust and set the brightness of all of EVO SP8’s hardware LEDs, including the LED Ring, to suit your studio environment. Use the Control Wheel to adjust the slider and then click the Control Wheel to save your settings and then hit **‘Next’**

Now you can select your initial Clock Source, Sample Rate and Analogue Output source depending on your current setup.



You can change these settings at any time from the setup menu if you wish to.

INSTALLATION / SETUP

REGISTRATION WITH AUDIENT ARC

ARC

EVO SP8 comes bundled with a collection of professional software and services, giving you everything you need to start recording.

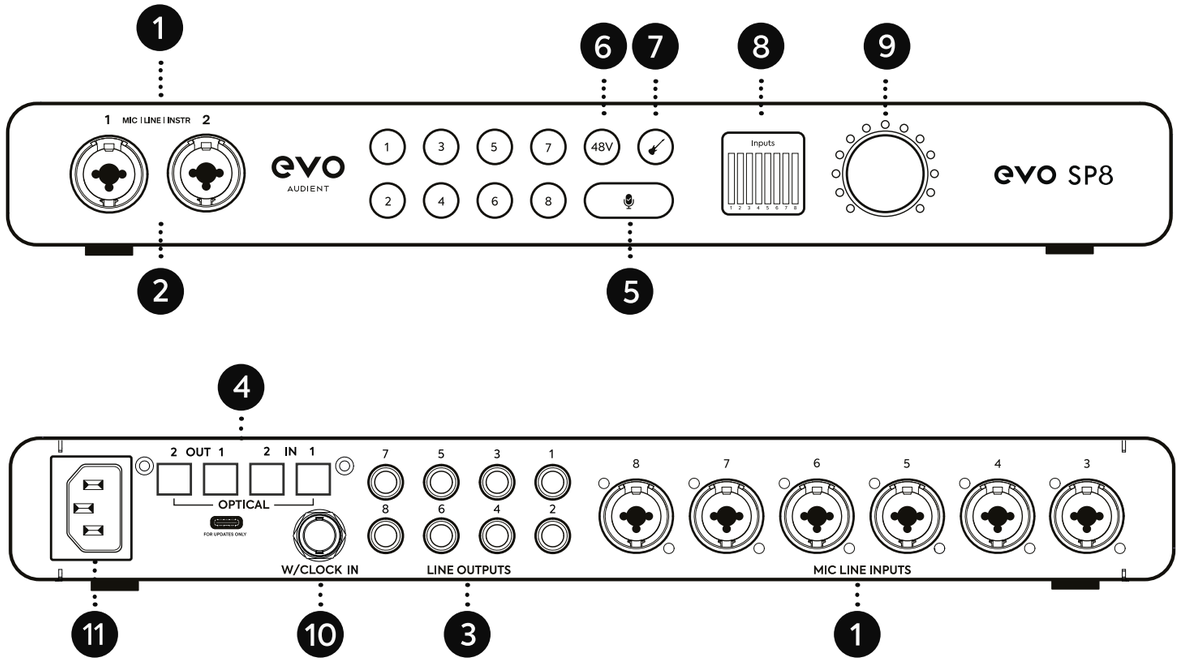
Go to arc.audient.com and select “register your product” and enter your details to create an account.

You will then receive a verification email to your inbox, double check your Spam and Junk folders if you cannot see this. Once you’ve verified your account, register your EVO SP8 by entering the serial number and the unique 4-digit PIN found on the underside of the EVO SP8.

Once you have registered the product, you can select from a wide array of free software and plugins, giving you easy access to powerful creative tools straight away.

HARDWARE FEATURES

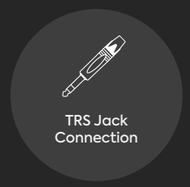
1. 8 x EVO Mic Preamps
2. 2 x JFET Instrument Inputs
3. 8 x Line Outputs
4. 2 x Optical Inputs/Outputs
5. Smartgain
6. Phantom Power
7. Instrument Input Button
8. High-Res LCD Screen
9. Control Wheel
10. Word Clock Input
11. Power Supply



Mic Preamps and Line Level Inputs

EVO SP8 includes eight high-quality EVO Mic Preamps, accessible through the Combi-jacks found on the front and rear of the unit.

To connect a microphone, use an XLR cable which has three pins.

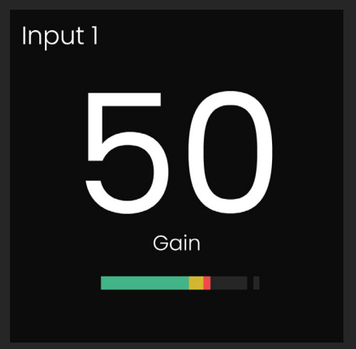


To connect a line-level device, use a ¼” TRS jack, which will connect to the centre of the Combi-connector. The Line Input automatically reduces your signal level slightly to minimise the chance of overloading the input and causing distortion.

EVO SP8 can lower the signal level by 8 decibels and boost it by up to 50 decibels allowing you to get the perfect recording level, this is known as the Gain.

You can manually control the gain by pressing one of the Input Buttons, numbered 1-8, and then adjusting the Control Wheel. The screen will then show the current gain level in decibels.

When pressing any Input Button on EVO SP8’s front panel, the input screen will show the Input Status Screen.



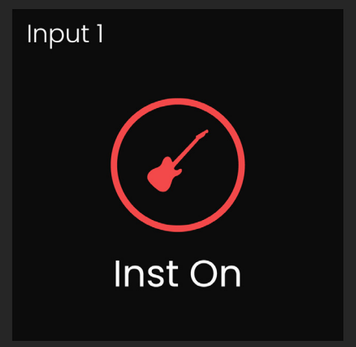
When pressing an Input Button, the status screen will display: the input number, the gain setting in dB, and an independent channel meter for referencing your levels.

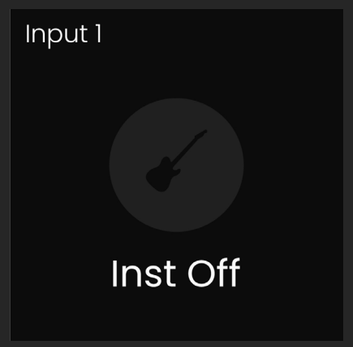
When an input is selected, the hardware will now control that channel, so you can use the Control Wheel to adjust the input gain with decibel level accuracy, as well as toggling channel mute, phantom power for condenser mics, or instrument mode for guitars and basses on channel 1+2.

To quickly mute a channel, hold down the channels input button until the Mute screen is shown, and the channel button begins flashing. When a channel is muted, the gain level is replaced with the Mute icon, this will remain in place until mute is deactivated, by again holding down the channel button.

To activate phantom power, select the channel, then press the 48V Button, which will then illuminate red and activate a temporary feature toggle screen. This is set independently per channel so if you navigate away to a different channel, where phantom power isn't activated, the 48V Button will no longer be illuminated. To turn off 48V, press the 48V Button again, which will again display the feature toggle screen.

Both channels 1 + 2 are able to switch to Instrument Mode, meaning they are able to be used to record guitars and basses. To do this, select either channel 1 or 2, then press the Instrument Button. The button will then illuminate as well as display the temporary feature toggle screen. To turn off Instrument Mode, press the Instrument Button again, which will again display the feature toggle screen.

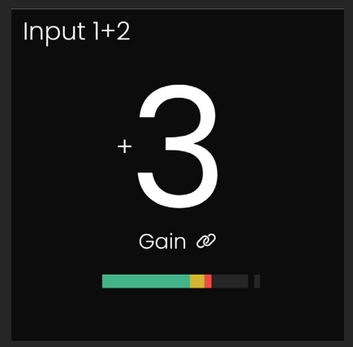




If you try and activate phantom power on Channels 1+2 whilst the instrument input is active, an error screen will be shown as it is not possible to have both active at once.

Remember: After you've finished recording via the Instrument Inputs, you'll need to switch them back to line & microphone level inputs. To do this, press whichever instrument channel button you're using, then press the Instrument Button.

EVO SP8 has the ability to stereo link 2 channels, meaning you can match and adjust the gain settings simultaneously. Channels can be paired in sequential order, so channel 1 with channel 2, channel 3 with channel 4 and so on. When two channels are linked, a ‘Link’ icon will appear on the Input Status Screen and the input name will update. e.g. 1+2.



When on the input metering screen, you will also see a small hyphen connecting the linked channel numbers.

Smartgain Mode

The Smartgain feature can be utilised to automatically set the correct gain levels for one or more channels simultaneously.

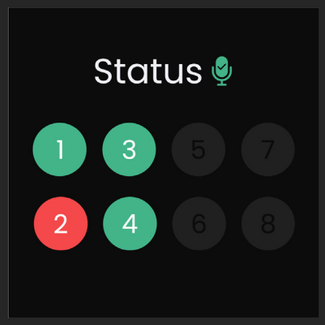
To activate Smartgain, press the green Smartgain button, you will then be prompted to select the channels you want to set the gain for. Select the channels you want using the channel buttons or press and hold the Smartgain button to quickly select all 8 channels at once.

Once you have selected the channels you require, press the Smartgain Button again to start. You will now see a ‘Smartgain Listening’ screen, this is where you or your artist will need to start performing in order for Smartgain to analyse your signal.

If all selected channels are successfully set, you will see the ‘Smartgain Successful’ screen and you are ready to start recording.

If Smartgain fails for any reason you will see the ‘Issue Detected’ screen followed by the Smartgain Status screen. The Smartgain Status screen gives you an overview of the status of each channel in relation to Smartgain.

Green - means it was successful
Red - means it failed
Grey - means the channel was not selected



Smartgain will now return you to the ‘Select Channels’ screen with the failed channels automatically pre-selected, simply press Smartgain to start the process again.

For the channels that failed, double-check your microphone cables, check if phantom power is required for that microphone, or move the microphone closer to the sound source. Then try the Smartgain process again.

Note: there is no need to select the green channels again as they were already successfully set.

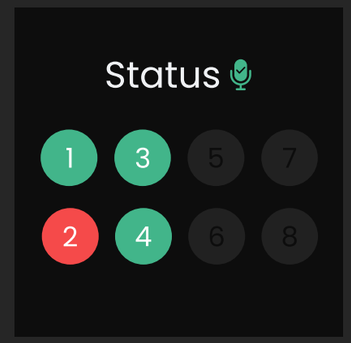
Top tip! When using Smartgain on multiple channels, ensure that every microphone is used during the listening period. For example, if you are micing a drum kit, ensure the drummer plays the Toms during the listening period or else the gains for the Toms may be set incorrectly and affect your recording.

Using Smartgain with an Extended EVO System

If using one or two EVO SP8’s with an EVO 16, Smartgain can be used on all connected EVO devices simultaneously.

Pressing the Smartgain Button on any SP8 or EVO 16 in your setup will activate Smartgain across all devices. You can then select up to 24 channels across the three devices to activate Smartgain on. Press the Smartgain Button again to enter the listening period and automatically set the gain of up to 24 channels at once!

After the listening period, all EVO units will show the status of their 8 channels. If any channels have failed on any device, this channel will show in a red circle allowing you to check your mic connections on that particular device and then try Smartgain again.



Line Outputs

EVO SP8 also provides you with eight dedicated Line Level Outputs, which can be found at the rear of the unit. These can either be fed from the 8 onboard EVO Preamps (Analogue) or from the ADAT inputs (Digital) by adjusting the Output Source in the Setup Menu.

When set to Analogue, Preamp 1 will feed into Output 1, Preamp 2 will feed into Output 2 and so on...

When set to Digital, ADAT Input 1 will play out of Line Output 1, ADAT Input 2 to Line Output 2 and so on...

Digital Inputs & Outputs

EVO SP8 features two Optical Inputs and two Optical Outputs that use ADAT.

This allows you to send the audio from your preamps to your host interface as well as receive up to 8 channels and send this out via the Analogue Line Outputs.

At 44.1kHz and 48kHz sample rates, you will only need to use 1 optical port for all 8 channels, with the second port simply acting as a duplicate or split. At 88.2 and 96kHz, you will need to use both optical ports in order to access all 8 channels as higher sample rates will limit the channel count to 4 channels per port.

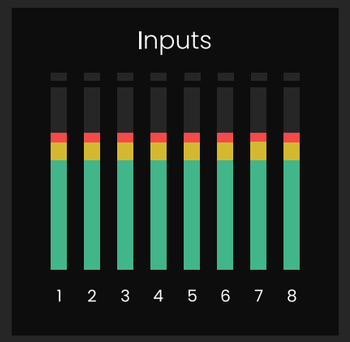
Word Clock Input

The EVO SP8 also includes a BNC Word Clock Input which allows you to clock the SP8 from another device. You can set the SP8 to use the Word Clock Input as your Clock Source in the Setup Menu of the interface.

The Word Clock Input also has switchable 75 Ohm Termination which can be enabled in the Setup Menu. More information about when you may need to use 75 Ohm Termination can be found in the clocking configuration section.

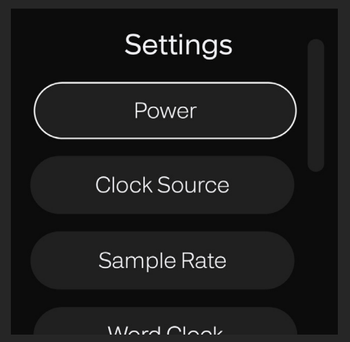
Metering

Pressing the Control Wheel lets you cycle between the metering for the 8 Preamps and the 8 Digital Input channels so you can quickly check all your levels.



Setup Menu

Pressing and holding the Control Wheel will open the Setup Menu where you can adjust a variety of parameters.

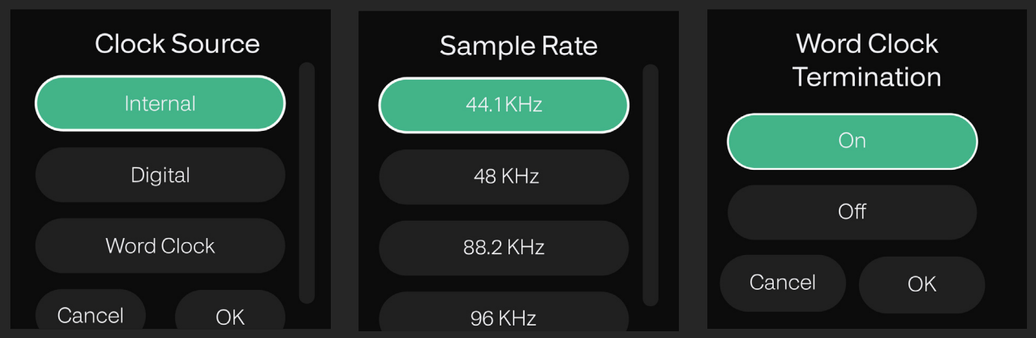


Power

To power off the unit, rotate the Control Wheel until Power is selected, and then press the Control Wheel to select. You will then be prompted to confirm if you want to turn off EVO SP8, select Yes, and press the Control Wheel to confirm.

This will put EVO SP8 in a Low-power Standby Mode. To turn the unit back on, hold down the Control Wheel until the screen illuminates.

You can also turn off EVO SP8 without navigating to the Settings Menu by simply holding the Control Wheel down for 5 seconds.



Clock source

Clock Source controls from which source the SP8 will take its clock. Internal will use the built-in clock, Digital will take the clock from the ADAT data the unit receives from the Optical Inputs and Word Clock takes the clock from the BNC Word Clock Input.

When the Digital or Word Clock source is selected, the sample rate will automatically be set to AUTO mode. This allows the SP8 to follow the sample rate of the Clock Source.

Sample rate

Here you can select the sample rate you wish the device to operate at. If you are using an external clock source (Digital or Word Clock), you can set this to AUTO and the sample rate will be automatically adjusted to match the incoming clock signal.

Word clock

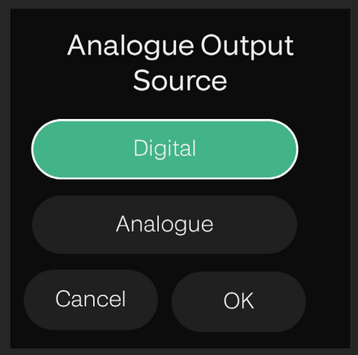
This allows you to change whether or not the Word Clock Input is terminated or not. The Word Clock Termination should be turned on if the SP8 is the last device in a Word Clock Chain. If you are using a BNC T-Connector to send the clock onwards to another device then set the termination to off.

It is important to get your Word Clock Termination correct as it can stop your devices from correctly synchronising.

Output Source

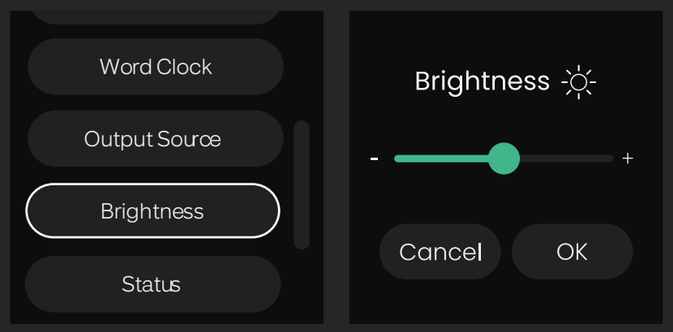
Here you can change what signal is sent to the 8 line outputs of the EVO SP8.

When set to ‘Digital’ the 8 ADAT input channels are sent to the 8 Line Outputs allowing the EVO SP8 to be used as a 8 channel D to A converter. Otherwise, the ‘Analogue’ setting will send the outputs of the 8 Preamps directly to the Line Outputs to allow the SP8 to be used as a standalone mic pre.



Brightness

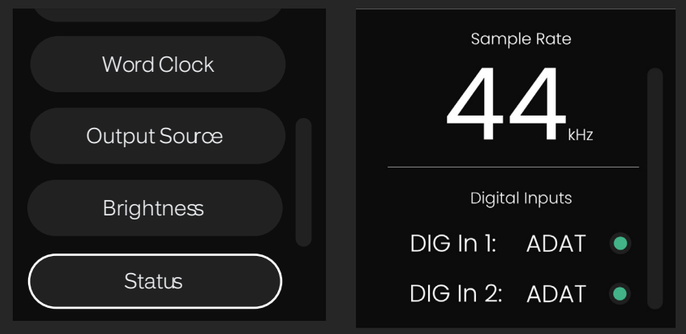
Enables the brightness of the LEDs on the front panel of the EVO SP8 to be adjusted to suit the ambience of your studio.



Status

The Status screen shows the current sample rate and the status of the clock on the DIGI and Word Clock Inputs.

A green indicator dot next to an input indicates that the EVO SP8 has successfully synced to the clock present on this input.

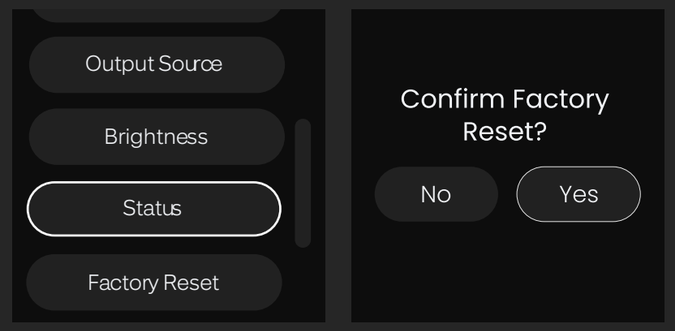


An amber indicator dot next to an input indicates that a valid clock has been detected but at a different sample rate to the SP8’s. Adjust either the SP8 or the external clock to match.

A red indicator dot indicates that no valid clock has been detected on this input. In this case, double check your connections or try a different cable to rule out a faulty cable.

Factory Reset

A Factory Reset will return the unit to its default state and any settings will be removed. Please note that a factory reset cannot be undone so use this option with care.



Clocking Configurations

When you are using multiple devices together with digital connections such as ADAT, it's vital that they all remain in sync with each other. The process of syncing up your devices is known as **'clocking'.**

In your setup, you must choose one device to be the primary clock and all other devices in the system will be replica clocks. It's important that there is only one primary clock in your system. Having multiple primary clocks will cause the devices to go out of sync and cause distortion on your recordings.

The primary clock sends a very fast ticking signal to the replica device. This ticking signal can either be sent via a dedicated connection for the clock, such as the BNC Word Clock Input on the EVO SP8, or sent alongside your audio data on an ADAT connection.

Choosing the Primary Clock Device

Typically, you would want to choose the device that is directly connected to the computer to be the primary clock. This clock can then be sent to other devices in your system using either its ADAT Outputs or a BNC Wordclock Output.

The main advantage of this is that any changes in sample rate on the computer will automatically be sent to the other devices in the setup and everything will remain in sync.

Otherwise, you can use the SP8 as the primary clock instead. This would send the clock to another device via its ADAT Outputs. This can only be done on simple setups (1x EVO SP8 and 1x EVO 16 for example) but when more devices are involved, it's best to make use of a BNC Word Clock connection.

Channel Count per Connection

At sample rates of 44.1 and 48kHz, each optical connection will carry 8 ADAT channels. When the sample rate is increased to 88.2kHz or 96kHz, this channel count drops due to how the ADAT protocol works. At these higher sample rates, two TOSlink cables per connection will be required to access all 8 channels.

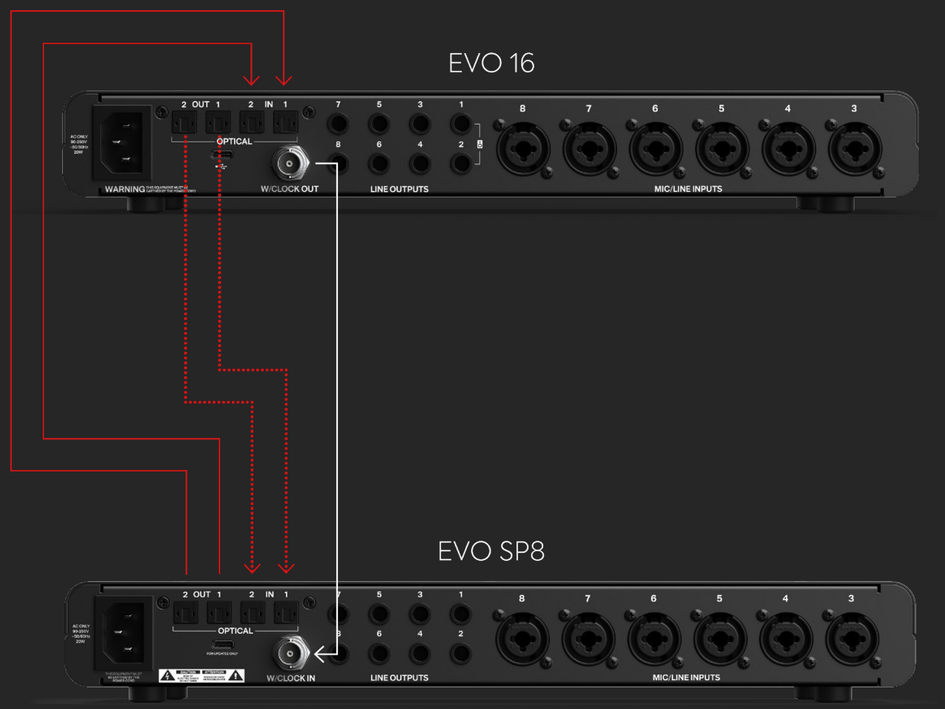
EVO SP8 does not support 176.4 or 192kHz sample rates.

EVO EXPANDED SYSTEM

Using one or two EVO SP8's alongside an EVO 16 creates an EVO Expanded System, enabling you to take advantage of features reserved only for this configuration. For example, this system provides a powerful platform as you can utilise up to 24 channels of Smartgain simultaneously, all of which can all be controlled from one unit.

1 x EVO SP8 and 1 x EVO 16

Key: Optical TOSlink Cable — BNC Word Clock Cable



75 Ohm Termination ON

1. Connect the Optical Outputs of the EVO 16 to the Optical Inputs of the EVO SP8 using two TOSlink cables.

2. Connect the Optical Inputs of the EVO 16 to the Optical Outputs on SP8 using two further TOSlink cables.

3. Connect the Word Clock Output of the EVO 16 to the Word Clock Input of the SP8.

4. In the setup menu of the EVO SP8, ensure that your clock source is set to 'Word Clock' and the Word Clock Termination is turned on. Also set the Sample Rate to 'Auto'.

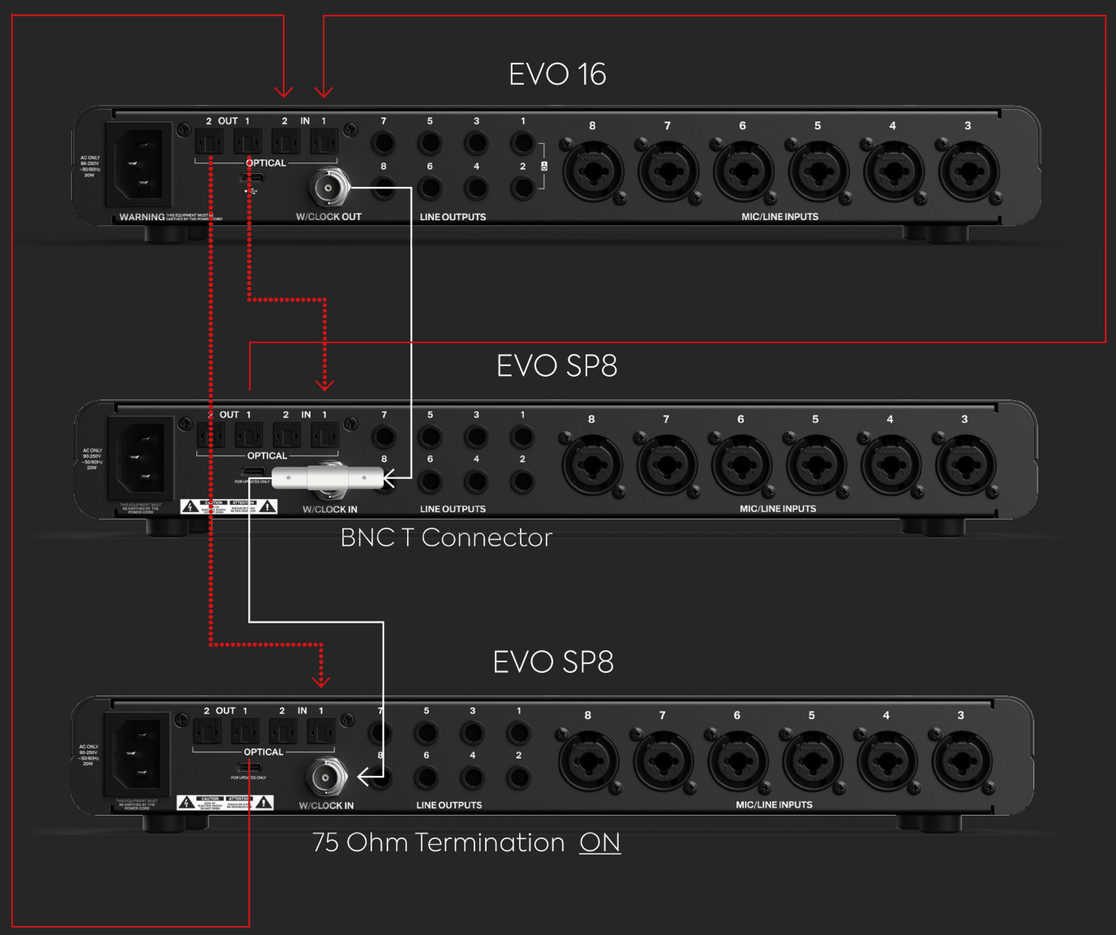
5. On the EVO 16, ensure that its clock source is set to 'Internal' and the Optical format is set to 'ADAT' in the EVO Mixer Application's System Panel.

EVO EXPANDED SYSTEM

2 x EVO SP8 and 1 x EVO 16

Using the One or Two EVO SP8 alongside an EVO 16 provides a powerful platform as you have up to 24 channels of Smartgain which can all be controlled from one unit.

Key: Optical TOSlink Cable BNC Word Clock Cable



1. Connect the first Optical Output of the EVO 16 to the Optical Input of the first EVO SP8 and the second optical Output of the EVO 16 to the first Optical input of the second EVO SP8. This will require two TOSlink cables.
2. Connect the Optical Inputs of the EVO 16 to the Optical Outputs of the EVO SP8's, in the same manner, using a further two TOSlink cables.
3. Connect a BNC T-Bar connector to the Word Clock Input of the first SP8.
4. Connect a BNC word clock cable from the Word Clock Output of the EVO 16 into one side of the T-Connector.
5. Connect a second word clock cable from the other side of the T-Connector into the Word Clock Input of the second EVO SP8.
6. On both SP8s use the Setup Menu to set the clock source to 'Word Clock'. On the first SP8, set the Word Clock Termination to 'Off'. On the second SP8, set the Word Clock Termination to 'On'. Also set the Sample Rate to 'Auto' on both units
7. On the EVO 16, ensure that its clock source is set to 'Internal' and the Optical format is set to 'ADAT' in the EVO Software Mixer Application's System Panel.

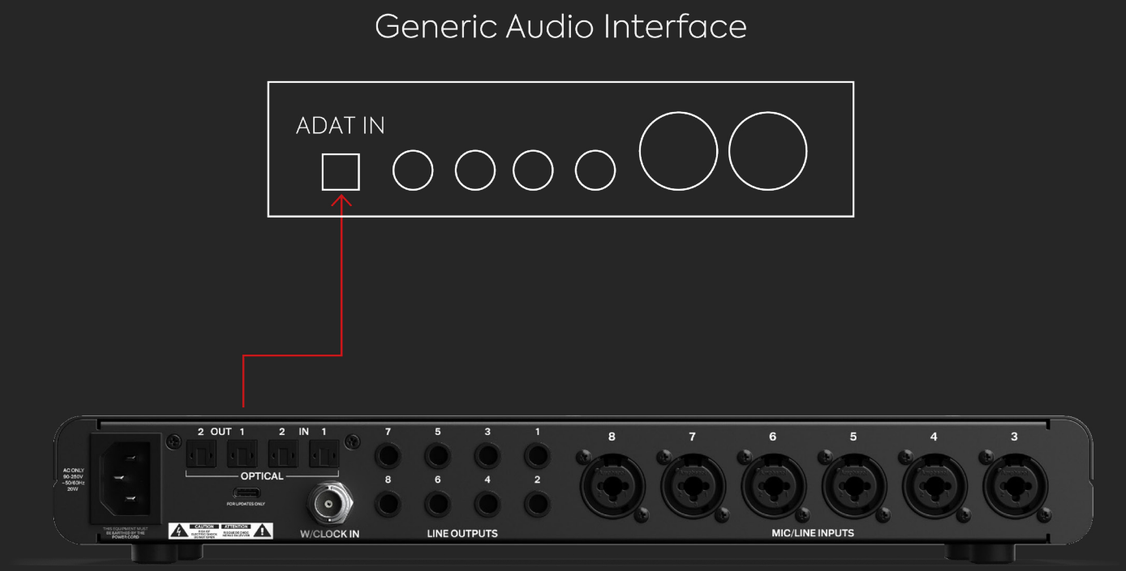
EVO EXPANDED SYSTEM

USING EVO SP8 WITH AN ADAT CAPABLE INTERFACE

EVO SP8 as the Primary Clock

If your host interface doesn't have a Word Clock Output, such as an Audient iD14, you can use the SP8 as the primary clock.

Key: Optical TOSlink Cable



1. Connect an TOSlink cable from the EVO SP8's Optical Output to the Optical Input of your host interface.

2. Using the Setup Menu of the SP8, set the clock source to 'Internal'.

3. Check that your host interface is set up to sync to the incoming ADAT signal. On an Audient iD interface for example, this would be done in the System Panel by setting the Clock Source to 'DIGI'.

4. Finally, check that both devices are using the same sample rate so they can correctly sync.

EVO EXPANDED SYSTEM

1 x EVO SP8 as a Replica

If your host input has a Word Clock Output then you can use this as your primary clock and the SP8 as the replica. An example of this would be an Audient iD44 MKII.

Key: Optical TOSlink Cable BNC Word Clock Cable

75 Ohm Termination ON

1. Connect the Optical Outputs of the host interface to the Optical Inputs of the EVO SP8 using two TOSlink cables.

2. Connect the Optical Inputs of the host Interface to the Optical Outputs on SP8 using two further TOSlink cables.

3. Connect the Word Clock Output of the host interface to the Word Clock Input of the SP8.

4. In the Setup Menu of the EVO SP8, ensure that your clock source is set to ‘Word Clock’ and the Word Clock Termination is turned on. Also set the Sample Rate to ‘Auto’.

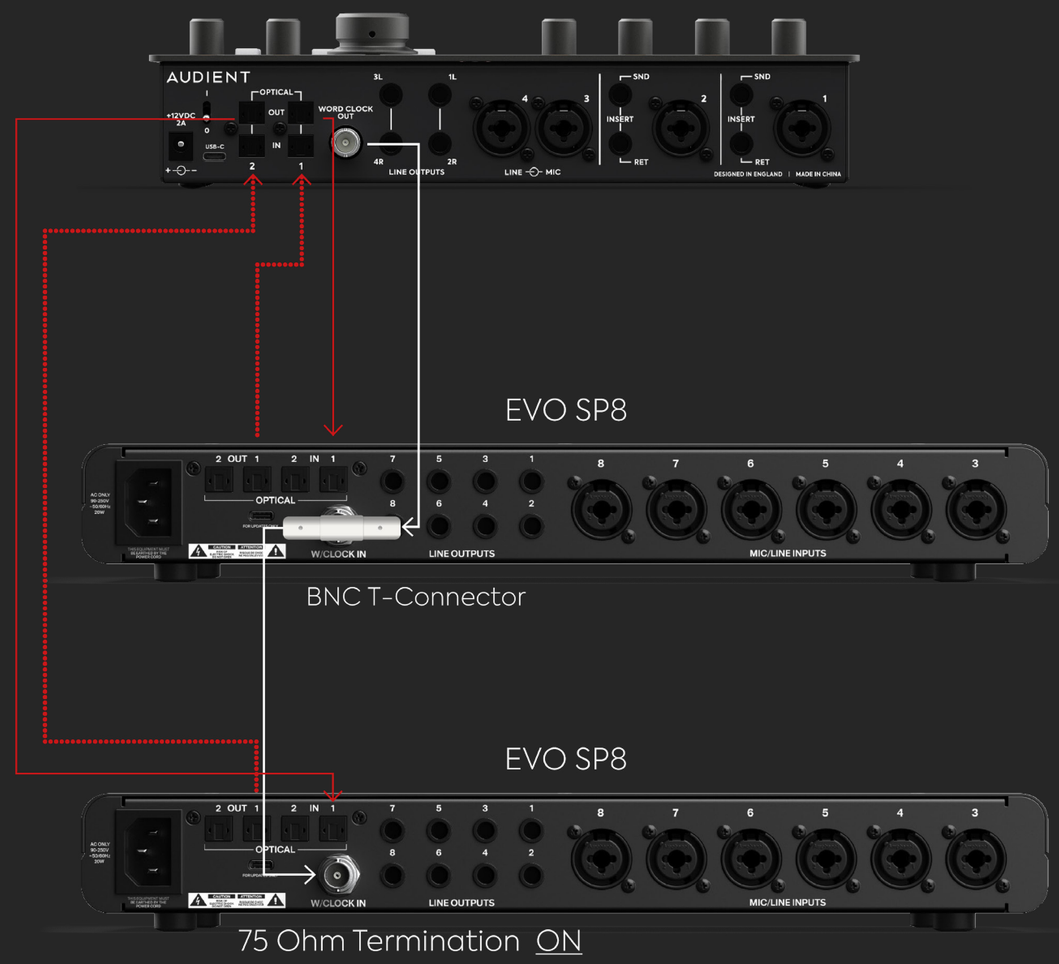
5. On the Host Interface, ensure that its clock source is set to “Internal” and the Optical format is set to ‘ADAT’.

Please note that if your host interface only has one optical port per connection then you can use just one TOSlink cable per connection. However, this will limit your channel count to 4 channels at 88.2 and 96 kHz .

EVO EXPANDED SYSTEM

2 x EVO SP8 as Replicas

Key: Optical TOSlink Cable BNC Word Clock Cable



1. Connect the first Optical Output of the host interface to the Optical Input of the first EVO SP8 and the second Optical Output of the host interface to the first Optical Input of the second EVO SP8. This will use 2 TOSlink cables.
2. Connect the Optical Inputs of the host interface to the Optical Outputs of the EVO SP8s, in the same manner, using a further 2 TOSlink cables.
3. Connect a BNC T-Bar connector to the Word Clock Input of the first SP8, the part with the rotating barrel should lock onto the SP8.
4. Connect a BNC word clock cable from the Word Clock Output of the host interface into one side of the T-Connector.
5. Connect a second word clock cable from the other side of the T-Connector into the Word Clock Input of the second EVO SP8.
6. On both SP8s use the Setup Menu to set the clock source to ‘Word Clock’. On the first SP8, set the Word Clock Termination to ‘Off’. On the second SP8, set the Word Clock Termination to ‘On’. Also set the Sample Rate to ‘Auto’ on both units.
7. On the host interface, ensure that its clock source is set to ‘Internal’.

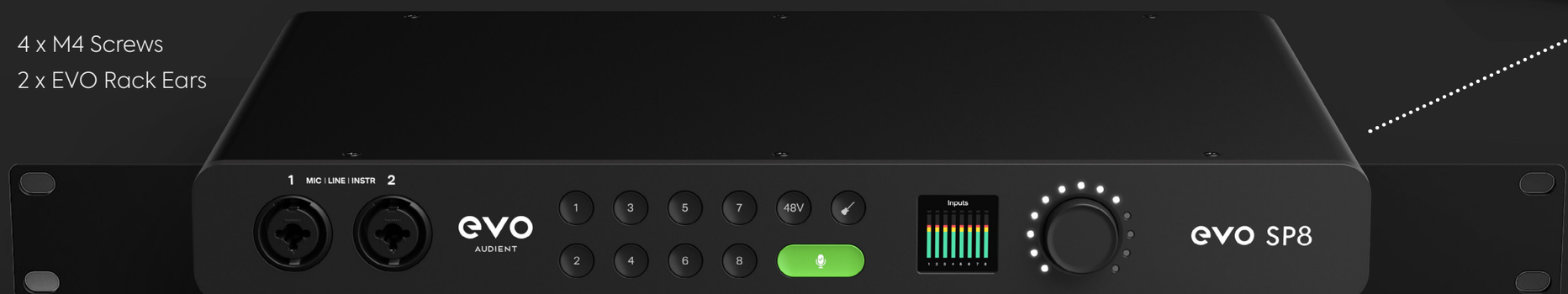
EVO EXPANDED SYSTEM

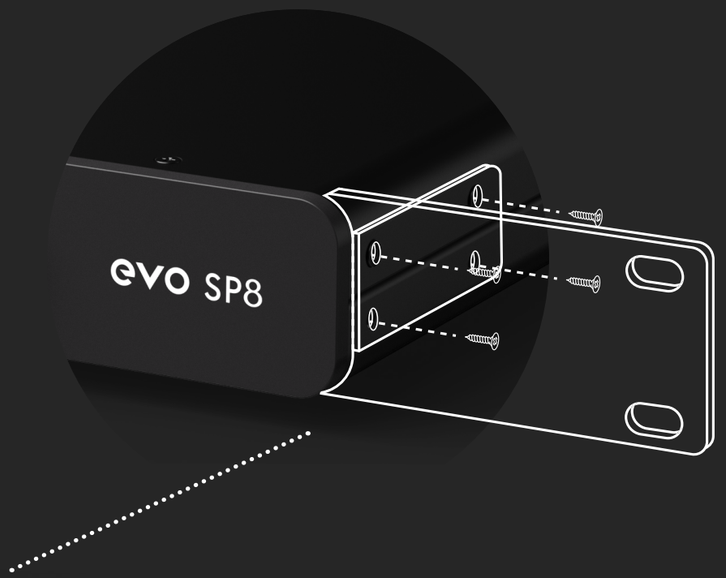
EVO SP8 RACK MOUNTING

EVO SP8 can be fitted with optional Rack Ears which can be purchased from your dealer. These can be attached to the sides of the unit with the contained screws.

The following items are provided with an EVO SP8 Rack Ear Kit (check within packaging):

4 x M4 Screws
2 x EVO Rack Ears





Required:

3mm Hex Driver/Key
Pozidriv Screwdriver

How to install the Rack Ears

1. Use a 3mm hex driver to remove the two screws either side near the front of the unit.

2. Position Rack Ear so that the four screw holes are inline with the four screw holes found on the side of the EVO SP8. Refer to the image above for correct positioning.

3. Insert the 4 x M4 screws into the holes and tighten until firm.

4. Remove the rubber feet which are located on the bottom of the EVO SP8 using a Pozidriv screwdriver.

Caution regarding rack placement

It is not advised to run the unit in a rack above or below hot units such as valve outboard and multichannel AD/DA converters without suitable ventilation space around the unit.

We would suggest a space of at least one rack unit above and below the unit.

Additionally, do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.

If the EVO SP8 is to be added to a rack that will be regularly transported (i.e live-audio applications). We strongly recommend adding additional support to the unit within the rack, such as a rack tray or side supports, to minimise the risk of damage to the rack ears or to the EVO SP8 itself.

Firmware Update Procedure

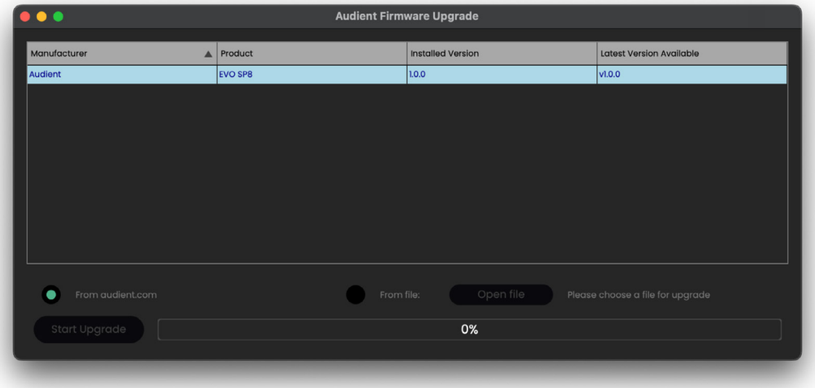
Audient will occasionally release firmware updates for the EVO SP8 to add functionality and ensure support with future OS releases. Any updates will be announced via our mailing list and social media.

Firstly, you will need to connect the EVO SP8 to your computer using the USB-C port on the rear of the SP8 labelled “For Updates Only”. Either a USB-C to USB-C, or a USB-C to USB-A cable can be used for this.

Once connected via USB, power up the unit using the Mains IEC cable.
Next, you need to download the Audient DFU application which will facilitate the update. This can be downloaded from our website: https://evo.audio/products/mic-preamps/evo-sp8/downloads.

Versions for both MacOS and Windows are available, so please ensure you download the correct version for your computer. You do not need to install this software, you can simply run the software directly from your downloads folder.

With the software open, you will see the EVO SP8 appear in the list of devices showing its current version and what the latest version currently available is.



You can choose to update directly from **Audient.com** or to select a local file. We recommend selecting **“From Audient.com”**.

If your computer doesn’t have an internet connection, or if you have any issues updating from **Audient.com** then please contact support and they will be able to assist you with updating from a local file.

Click Start Upgrade and wait for the progress bar to reach 100%. You’ll then see a pop-up notification to tell you the update is complete.

Your EVO SP8 now has the latest firmware. The Audient DFU app can now be closed and the EVO SP8’s USB connection can be unplugged.

FIRMWARE UPDATE

SPECIFICATIONS

MICROPHONE PREAMPLIFIER:

Mic Gain Range:	58 dB
Line Gain Range:	58dB with -10dB Pad
Phantom Power:	48v +/-4v @ 10mA/Channel
CMRR:	>80dB @ 1kHz
Maximum Input Level:	+16dBu
Input Impedance (Mic):	>3kΩ Balanced
Input Impedance (Line):	>10kΩ Balanced
Frequency Response:	+/-0.5dB 10Hz to 40kHz
Crosstalk:	<-105dBu @ 1kHz <-103 @ 10kHz
THD+N @ 0dBu (1kHz):	<0.0015%
SNR:	100dB
Mic EIN:	<-127.5dBu

XLR:	Pin 2 (Hot), Pin 3 (Cold) & Pin 1 (Shield)
1/4” Jack:	TIP (Hot), RING (Cold) & SLEEVE (Shield)

D.I Gain Range:	58dB
MAXIMUM INPUT LEVEL:	+10dBu
INPUT IMPEDANCE:	500k
THD+N @ 0dBu (1kHz):	<0.1%
SNR:	100dB
FREQUENCY RESPONSE:	+/-0.5dB 10Hz to 20kHz
1/4” JACK:	TIP (Hot) & SLEEVE (Shield)

ANALOGUE TO DIGITAL CONVERTER

Digital Reference Level:	0dBFS = +10.5dBu
Frequency Response:	+/-0.5dB 10Hz to Fs/2
Crosstalk:	-125dBu @ 1kHz & 10kHz
THD+N @ -1dBFS (1kHz):	<0.001%
Dynamic Range:	112.5dB A-Weighted

DIGITAL TO ANALOGUE CONVERTER

Maximum Output Level:	12dBu
Digital Reference Level:	0dBFS = +12dBu
Output Impedance:	<50Ω
Frequency Response:	+/-0.5dB 10Hz to Fs/2
Crosstalk:	<-110dBu @ 1kHz
THD+N @ -1dBFS (1kHz):	<0.006%
Dynamic Range:	117dB A-weighted
1/4” Jack:	TIP (Hot), RING (Cold) & SLEEVE (Shield)

WARRANTY INFORMATION

Warranty Statement

Your EVO SP8 comes with a manufacturer's warranty for three years (36 months) from the date of despatch to the end user.

The warranty covers faults due to defective materials used in manufacture and faulty workmanship only.

During the warranty period Audient will repair or at its discretion replace the faulty unit provided it is returned carriage paid to an authorised Audient service centre. We will not provide warranty repair if in our opinion the fault has resulted from unauthorised modification, misuse, negligence or accident.

We accept liability to repair or replace your EVO SP8 as described above. We do not accept any additional liability. This warranty does not affect any legal rights you may have against the person who supplied this product – it is additional to those rights.

Warranty Limitations

This warranty does not cover damage resulting from accident or misuse.

The warranty is void unless repairs are carried out by an authorised service centre.

The warranty is void if the unit has been modified other than at the manufacturer's instruction.

The warranty does not cover components which have a limited life, and which are expected to be periodically replaced for optimal performance.

We do not warrant that the unit shall operate in any other way than as described in this manual.

Tel: 0044 1256 381944

IMPORTANT SAFETY INSTRUCTIONS

• **Read instructions** – All the safety and operating instructions should be read before the product is operated.

• **Retain instructions** – The safety and operating instructions should be retained for future reference.

• **Heed Warnings** – All warnings on the product and in the operating instructions should be adhered to.

• **Follow Instructions** – All operating and use instructions should be followed.

• **Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

• **Attachments** – Do not use attachments not recommended by the product manufacturer as they may cause hazards.

• **Water and Moisture** – Do not use this product near water–for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

• **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

• **Flame Sources** – No naked flame sources, such as lighted candles, should be placed on the product.

• **Ventilation** - Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

• **Power Sources** - This product should be operated only from the type of power source indicated on the marking label and connected to a MAINS socket outlet with a protective earthing connection. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

• **Power-Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

• **Mains Plug** - Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

• **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

• **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

• **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

• **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

• **Headphones** - Excessive sound pressure form earphones and headphones can cause hearing loss.

• **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

– When the power-supply cord or plug is damaged.
– If liquid has been spilled, or objects have fallen into the product.
– If the product has been exposed to rain or water.
– If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
– If the product has been dropped or damaged in any way.
– When the product exhibits a distinct change in performance-this indicates a need for service.

• **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

• **Battery Disposal** - When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.

• **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

WARNING

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED “DANGEROUS VOLTAGE” WITHIN THE PRODUCT’S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

CAUTION REGARDING PLACEMENT

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) than is equal to, or greater than shown below.

It is not advised to run the unit in a rack above hot units such as valve outboard and multichannel AD/DA converters without suitable ventilation space around the unit. Ensure side air vents are not covered.

Left and Right Panels: 10 cm
Rear Panel: 10 cm
Top Panel: 10 cm

DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

DO NOT defeat the safety purpose of the polarized or grounding – type plug. A polarized plug has two blades with one wider than the other. A grounding type plughas two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Tel: 0044 1256 381944 support@evo.audio.com support.audient.com

FCC STATEMENT

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio TV technician for help.

• This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1 this device may not cause harmful interference, and
2 this device must accept any interference received, including interference that may cause undesired operation.

• To prevent electric shock, match wide blade of plug to wide slot, fully insert (Applies only to devices that uses plug with wide blade).
• For the appliance provided with a protective earth terminal should be connected
to a mains outlet with a protective earth connection.
• Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected form the mains socket outlet completely.
• Marking and rating plate are located at the back or bottom of the apparatus.

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